SEQUENCE LISTING

(1) GENERAL INFORMATION

(i) APPLICANT: Hillman, Jennifer L.
Goli, Surya K.

(ii) TITLE OF THE INVENTION: NOVEL MICROTUBULE-ASSOCIATED PROTEIN

(iii) NUMBER OF SEQUENCES: 3

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Incyte Pharmaceuticals, Inc.
(B) STREET: 3174 Porter Drive
(C) CITY: Palo Alto
(D) STATE: CA
(E) COUNTRY: USA
(F) ZIP: 94304

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Diskette
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: DOS
(D) SOFTWARE: FastSEQ for Windows Version 2.0

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: To Be Assigned
(B) FILING DATE: Herewith
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:

(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Billings, Lucy J.
(B) REGISTRATION NUMBER: 36,749
(C) REFERENCE/DOCKET NUMBER: PF-0211 US

(ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: 415-855-0555
(B) TELEFAX: 415-845-4166
(C) TELEX:

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 121 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(vii) IMMEDIATE SOURCE:
(A) LIBRARY: THYRNOT03
(B) CLONE: 144378

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

```
Met Pro Ser Asp Arg Pro Phe Lys Gln Arg Arg Ser Phe Ala Asp Arg
 1               5                  10                  15
Cys Lys Glu Val Gln Gln Ile Arg Asp Gln His Pro Ser Lys Ile Pro
            20                  25                  30
Val Ile Ile Glu Arg Tyr Lys Gly Glu Lys Gln Leu Pro Val Leu Asp
        35                  40                  45
Lys Thr Lys Phe Leu Val Pro Asp His Val Asn Met Ser Glu Leu Val
    50                  55                  60
Lys Ile Ile Arg Arg Arg Leu Gln Leu Asn Pro Thr Gln Ala Phe Phe
65                  70                  75                  80
Leu Leu Val Asn Gln His Ser Met Val Ser Val Ser Thr Pro Ile Ala
                85                  90                  95
Asp Ile Tyr Glu Gln Glu Lys Asp Glu Asp Gly Phe Leu Tyr Met Val
            100                 105                 110
Tyr Ala Ser Gln Glu Thr Phe Gly Phe
        115                 120
```

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 640 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(vii) IMMEDIATE SOURCE:
(A) LIBRARY: THYRNOT03
(B) CLONE: 1441378

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

```
CTCCCGCAGC CGCAGCCGCC GTGCTCAGCG CGAGCCCCGG AGCCCTTGAG CGCGAGGCGC     60
GGAGCCCCGG AGCCCCCAAA CCGCAGACAC ATCCCCGCGC CCCAGAGCCC CGGCCTGCGC    120
GCCCAGCCGG GCCCGCGCGA TGCCCTCAGA CCGGCCTTTC AAGCAGCGGC GGAGCTTCGC    180
CGACCGCTGT AAGGAGGTAC AGCAGATCCG CGACCAGCAC CCCAGCAAAA TCCCGGTGAT    240
CATCGAGCGC TACAAGGGTG AGAAGCAGCT GCCCGTCCTG GACAAGACCA AGTTTTTGGT    300
CCCGGACCAT GTCAACATGA GCGAGTTGGT CAAGATCATC CGGCGCCGCC TGCAGCTGAA    360
CCCCACGCAG GCCTTCTTCC TGCTGGTGAA CCAGCACAGC ATGGTGAGTG TGTCCACGCC    420
CATCGCGGAC ATCTACGAGC AGGAGAAAGA CGAGGACGGC TTCCTCTATA TGGTCTACGC    480
CTCCCAGGAA ACCTTCGGCT TCTGAGCCAG CAGTAGGGGG GCTCGGCCTG GGAGTCGGGG    540
GGCCCCGGTC AGGCCCTGCC CAGAGAGCTT CTGGTTCCTG AACTGAGCTG CCTCTACCGT    600
GGTGGGCTGG GCAGGCATGT GCCCCCCTAG TCAGAGGGCA                          640
```

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 142 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(vii) IMMEDIATE SOURCE:
(A) LIBRARY: GenBank
(B) CLONE: 455109

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

```
Met Pro Ser Glu Lys Thr Phe Lys Gln Arg Arg Ser Phe Glu Gln Arg
 1               5                  10                  15
Val Glu Asp Val Arg Leu Ile Arg Glu Gln His Pro Thr Lys Ile Pro
            20                  25                  30
```

```
Val Ile Ile Glu Arg Tyr Lys Gly Glu Lys Gln Leu Pro Val Leu Asp
        35                  40                  45
Lys Thr Lys Phe Leu Val Pro Asp His Val Asn Met Ser Glu Leu Ile
    50                  55                  60
Lys Ile Ile Arg Arg Arg Leu Gln Leu Asn Ala Asn Gln Ala Phe Phe
65                  70                  75                  80
Leu Leu Val Asn Gly His Ser Met Val Ser Val Ser Thr Pro Ile Ser
                85                  90                  95
Glu Val Tyr Glu Ser Glu Arg Asp Glu Asp Gly Phe Leu Tyr Met Val
            100                 105                 110
Tyr Ala Ser Gln Glu Thr Phe Gly Thr Ala Leu Ala Val Thr Tyr Met
        115                 120                 125
Ser Ala Leu Lys Ala Thr Ala Thr Gly Arg Glu Pro Cys Leu
    130                 135                 140
```